

$$a_0 = c_0 = 2$$

$$a_1 = 2, b_1 = 0$$

$$a_2 = 2, b_2 = 0$$

$$a_3 = 0, \vdots$$

$$a_4 = 0, \vdots$$

$\vdots$

$$c_k = \frac{a_k - ib_k}{2}$$

$$c_1 = \frac{2 - i(0)}{2} = 1$$

$$c_{-k} = \frac{a_k + ib_k}{2}$$

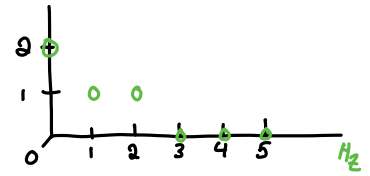
$$c_2 = \frac{2 - i(0)}{2} = 1$$

$$c_3 = 0$$

$$c_4 = 0$$

$$\vec{c} = [2, 1, 1, 0, 0, \dots]$$

$$\left\{ \left( \frac{0}{T}, 2 \right), \left( \frac{1}{T}, 1 \right), \left( \frac{2}{T}, 1 \right), \dots \right\}$$



$$f(t) \cong c_1 g_1(t) + c_2 g_2(t) + \dots + c_n g_n(t)$$